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L2: Entry 2 of 27

File: USPT

Feb 5, 2002

DOCUMENT-IDENTIFIER: US 6344218 B1

TITLE: Skin deodorizing and santizing compositions

Brief Summary Paragraph Right (108):

Also useful are emulsifying surfactants selected from the group consisting of: emulsifying surfactants having an HLB value below 12 or about 12, preferably, from about 3 to below 12 or about 12, most preferably, from about 3 to about 11 such as steareth-2, PEG-5 soya sterol oil, PEG-10 soya sterol oil, diethanolamine cetyl phosphate, sorbitan monostearate (Span 60), diethyleneglycol monostearate, glyceryl monostearate, and mixtures thereof; emulsifying surfactants having an HLB value of 12 or above (or about 12 and above) such as Steareth-21, polyoxyethylene sorbitan tristearate (Tween 65), polyethylene glycol 20 sorbitan monostearate, polyethylene glycol 60 sorbitan monostearate, polyethylene glycol 80 sorbitan monostearate, Steareth-20, Ceteth-20, PEG-100 stearate, sodium stearyl sarcosinate, hydrogenated lecithin, sodium cocoylglyceryl sulfate, sodium stearyl sulfate, sodium stearyl lactylate, PEG-20 methyl glucoside sesquistearate, PEG-20 glyceryl monostearate, sucrose monostearate, sucrose polystearates (having a high proportion of sucrose monostearate), polyglyceryl 10 stearate, polyglyceryl 10 myristate, steareth 10, DEA oleth 3 phosphate, DEA oleth 10 phosphate, PPG-5 Ceteth 10 phosphate sodium salt, PPG-5 Ceteth 10 phosphate potassium salt, and mixtures thereof, and mixtures thereof. Preferably, the compositions of the present invention comprise at least one emulsifying surfactant having an HLB value below 12 (or below about 12) and at least one emulsifying surfactant having an HLB value of 12 or above (or about 12 or above). "HLB" is well known to one of ordinary skill in the art and means hydrophobic lipophilic balance. See, "The HLB System, A Time-Saving Guide to Emulsifier Selection," ICI Americas Inc., August (1984) and McCutcheon's, Detergents and Emulsifiers, North American Edition (1987), published by Mc Publishing Co.; which list various emulsifiers useful herein. Both of these references are incorporated herein by reference in their entirety.

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L2: Entry 9 of 27

File: USPT

Jan 25, 2000

DOCUMENT-IDENTIFIER: US 6017549 A

TITLE: Non-irritating cosmetic and pharmaceutical compositions

Brief Summary Paragraph Right (5):

The present invention relates to cosmetic and pharmaceutical compositions comprising an emulsion containing at least one irritating active agent and at least one non-disruptive emulsifier. By "non-disruptive emulsifier" is meant one which has substantially no disruptive effect on the skin's lipid barrier. Emulsifiers of this type can be selected from the group consisting of an alkyl polyoside, a water soluble protein grafted to a lipid soluble aliphatic hydrocarbon backbone, and a hydrogenated lecithin, and mixtures thereof. The invention also relates to a method of reducing the irritancy of an active ingredient in a cosmetic or pharmaceutical formulation which comprises combining the active ingredient in an emulsion with a non-disruptive emulsifier. The invention is particularly useful in the preparation of retinoid- or hydroxy acid-containing formulations.

Brief Summary Paragraph Right (9):

A third type of emulsifier useful in the emulsions of the invention are lecithin derivatives. Particularly preferred are hydrogenated lecithins, more preferably hydrogenated lecithins with a phosphatyl choline level of between about 30-60%. The amount of lecithin used can be from about 0.5-5% by weight of the total composition.

